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Group	Number of Mice	Dosage **	Survivors (days)	Increased Life Span (ILS)
I	10	0.002 ml fetuin	1(31)	29%
II	10	0.02 ml fetuin	1(29)	17.2%
III	10	0.2 ml fetuin	8(58)	141%
IV	10	0.5 ml saline	0(24)	—

FIG.1

Type of Fetuin	Amount Required to Reach LD <sub>50</sub>
Fetuin + Zn	130 $\mu$ M
Supercharged Zinc Fetuin	14.3 $\mu$ M

FIG.2

Type of Fetuin	Amount Required to Reach LD <sub>50</sub>
Fetuin + Zn	60 $\mu$ M
Supercharged Zinc Fetuin	19.6 $\mu$ M

FIG.3



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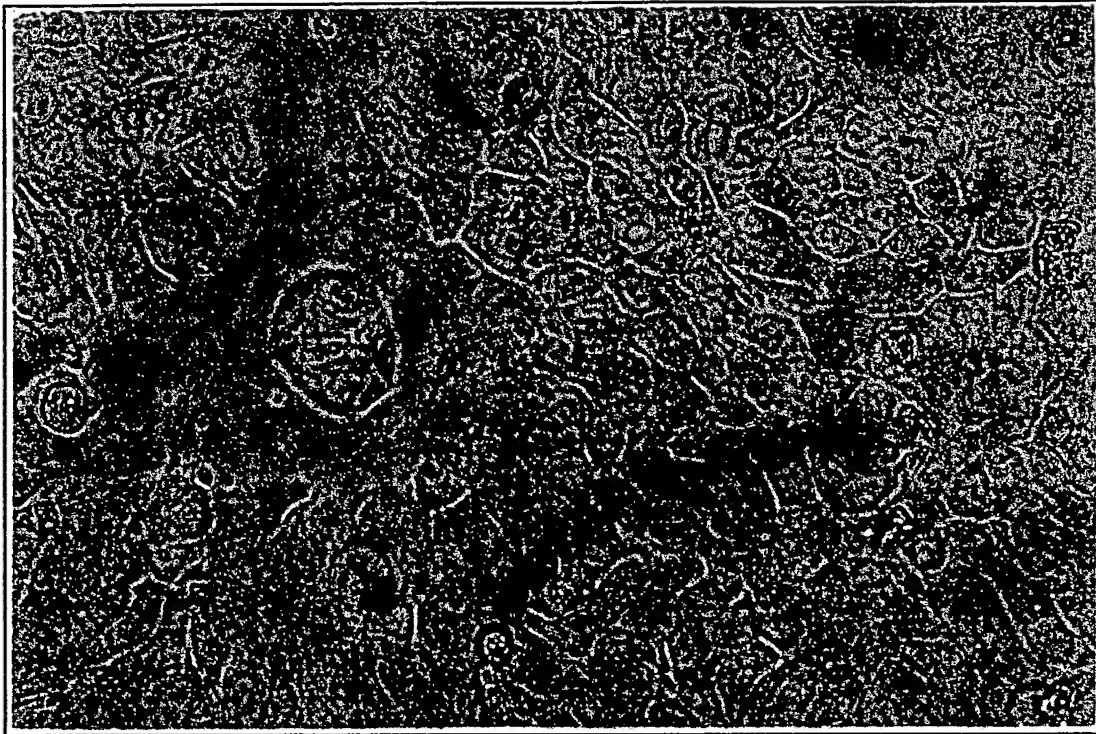


Fig. 35

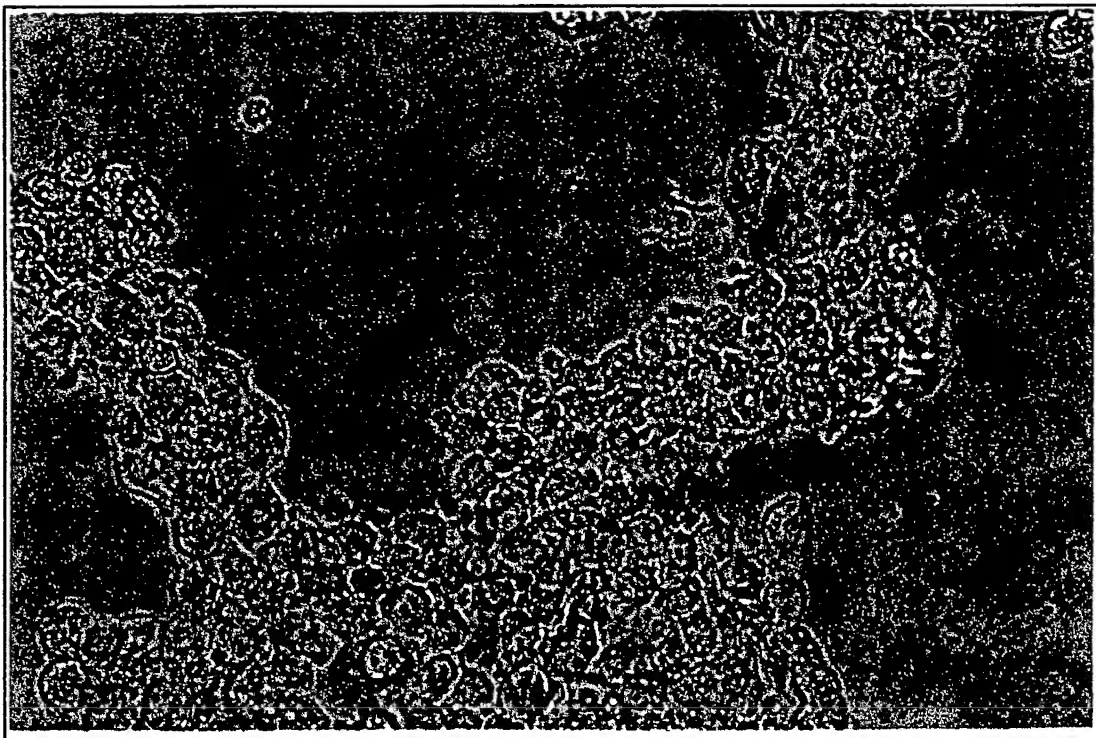


Fig. 36

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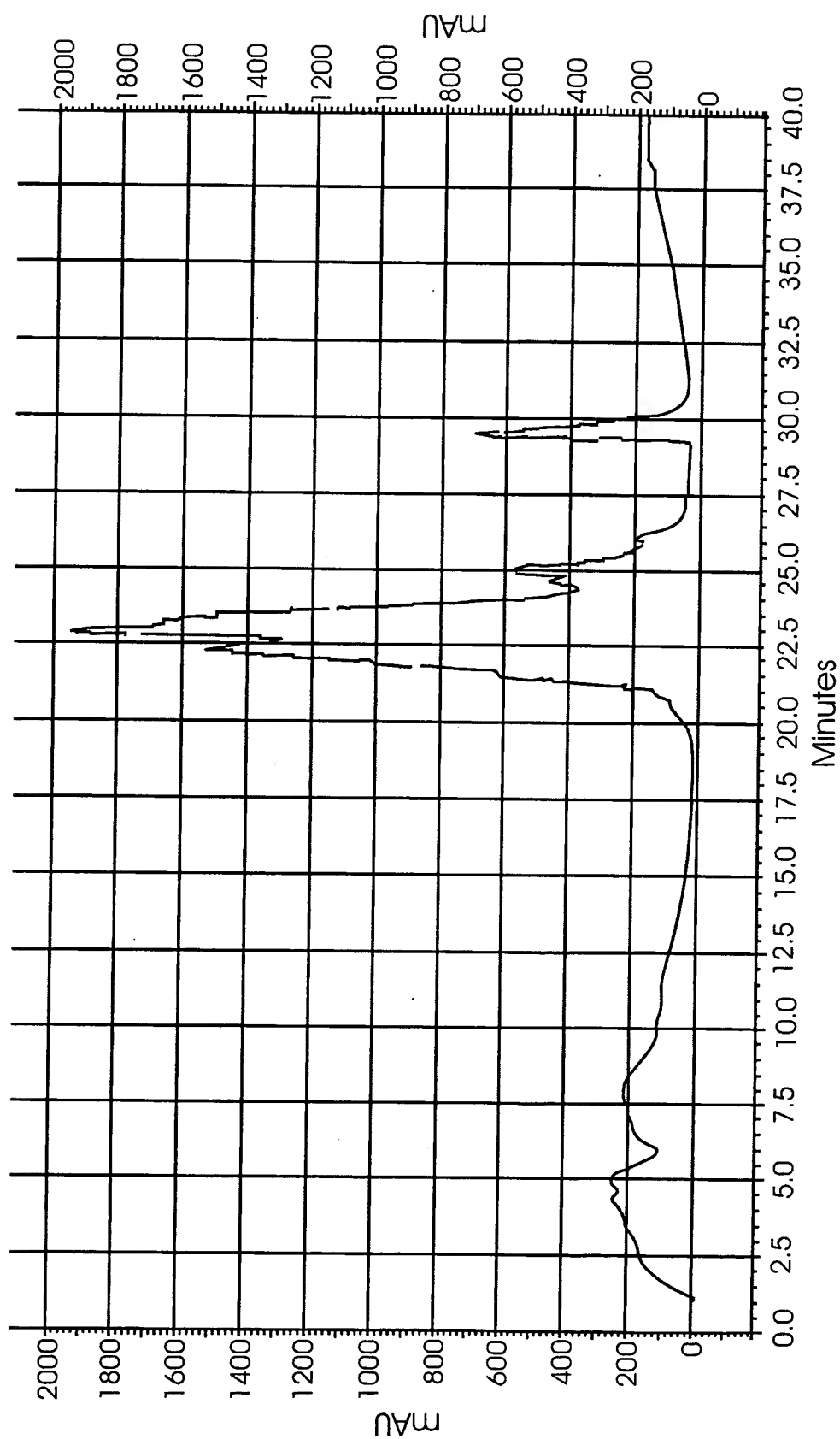


FIG. 34

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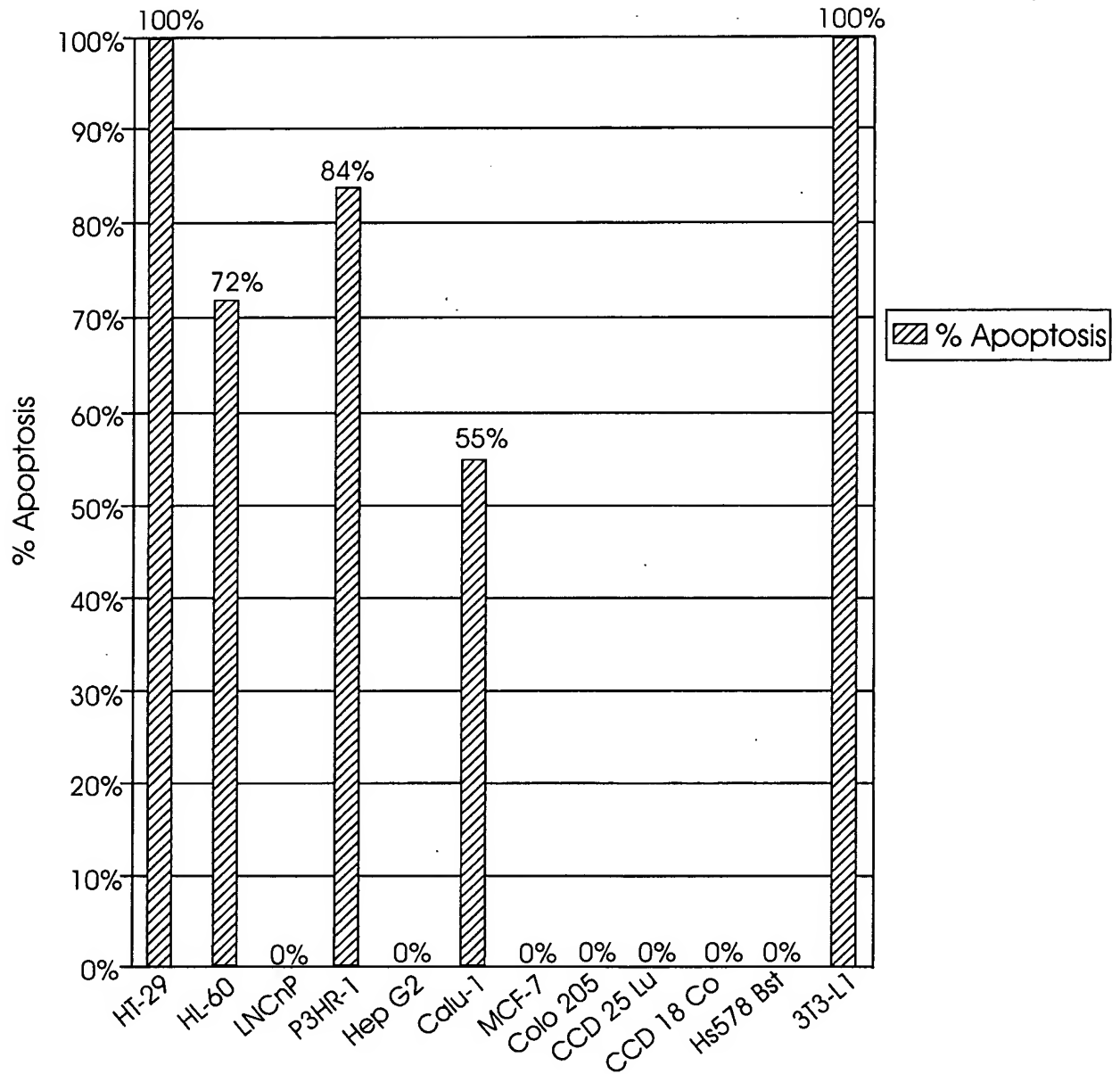


Fig. 33

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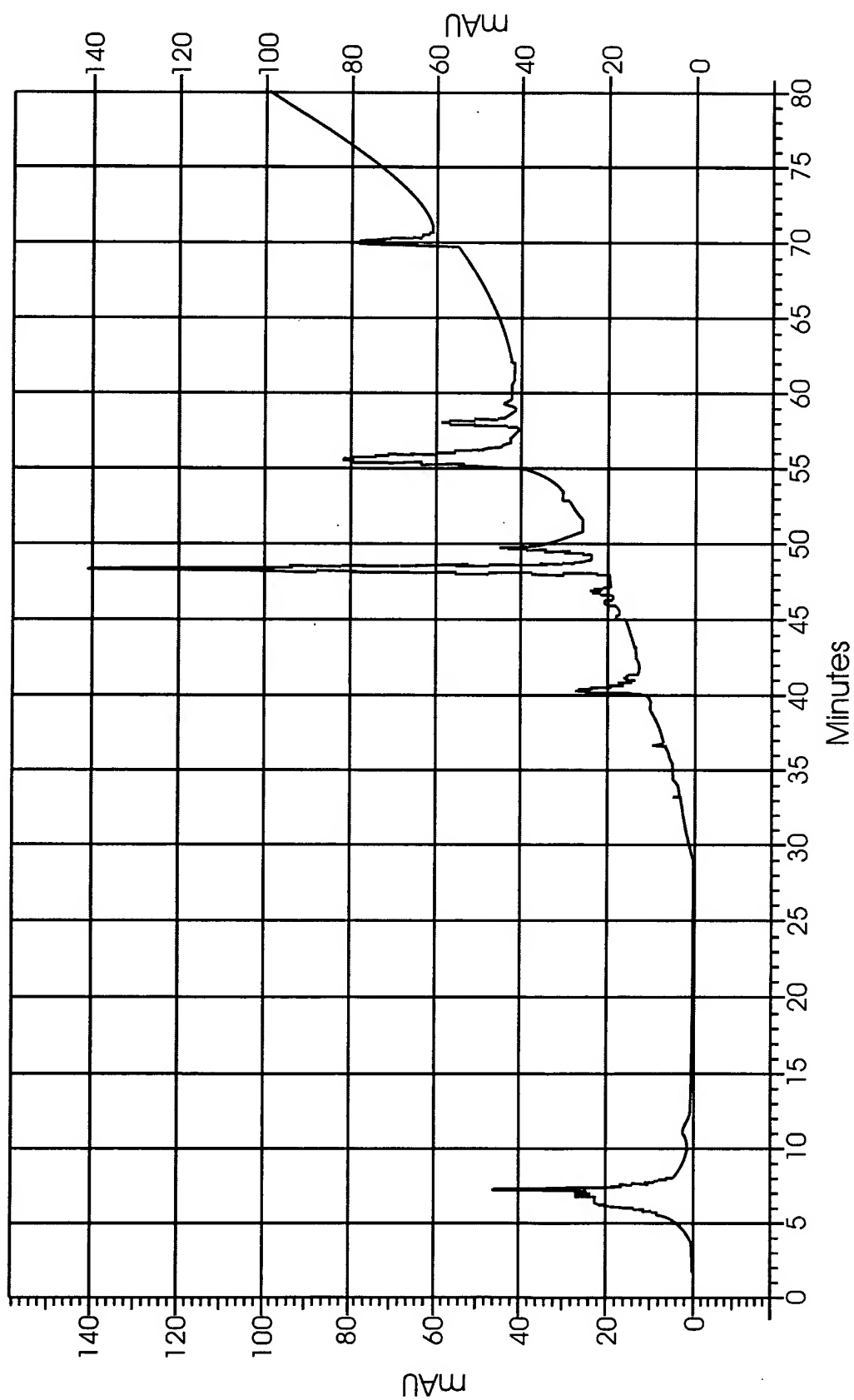


FIG. 32

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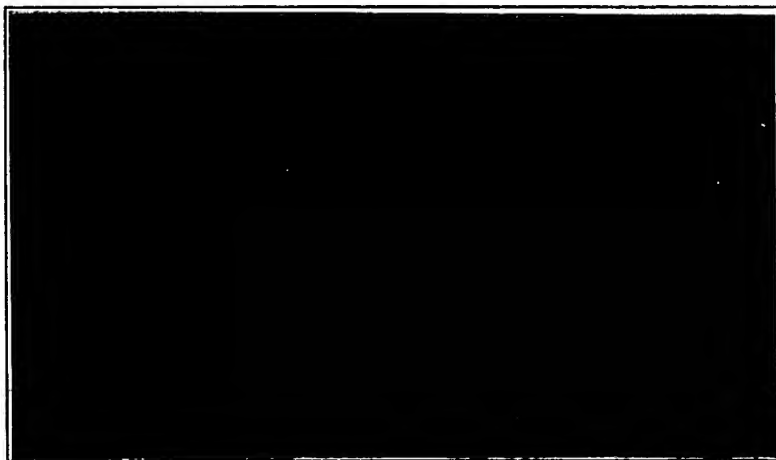


Fig. 30

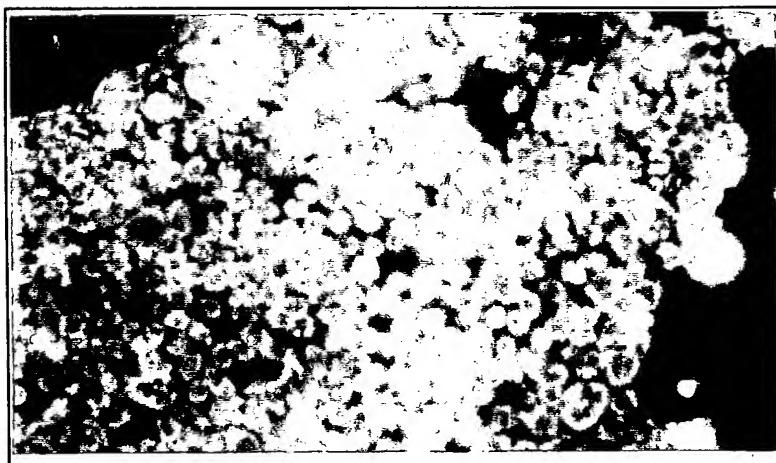


Fig. 31

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Fig. 28

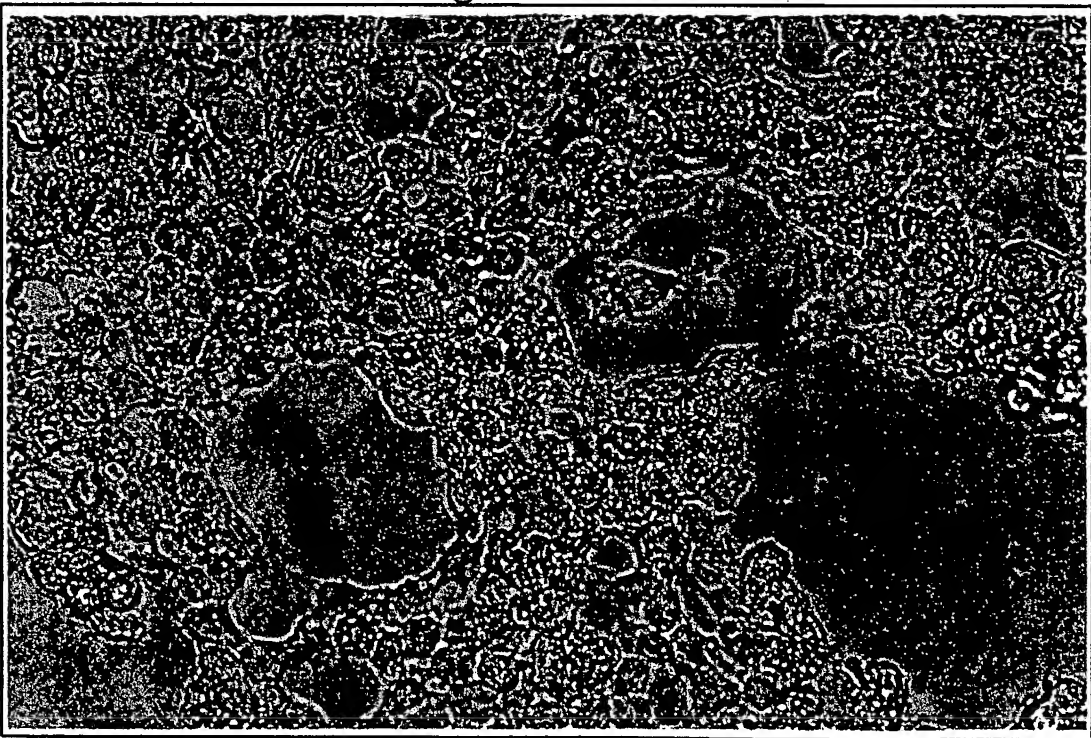


Fig. 29

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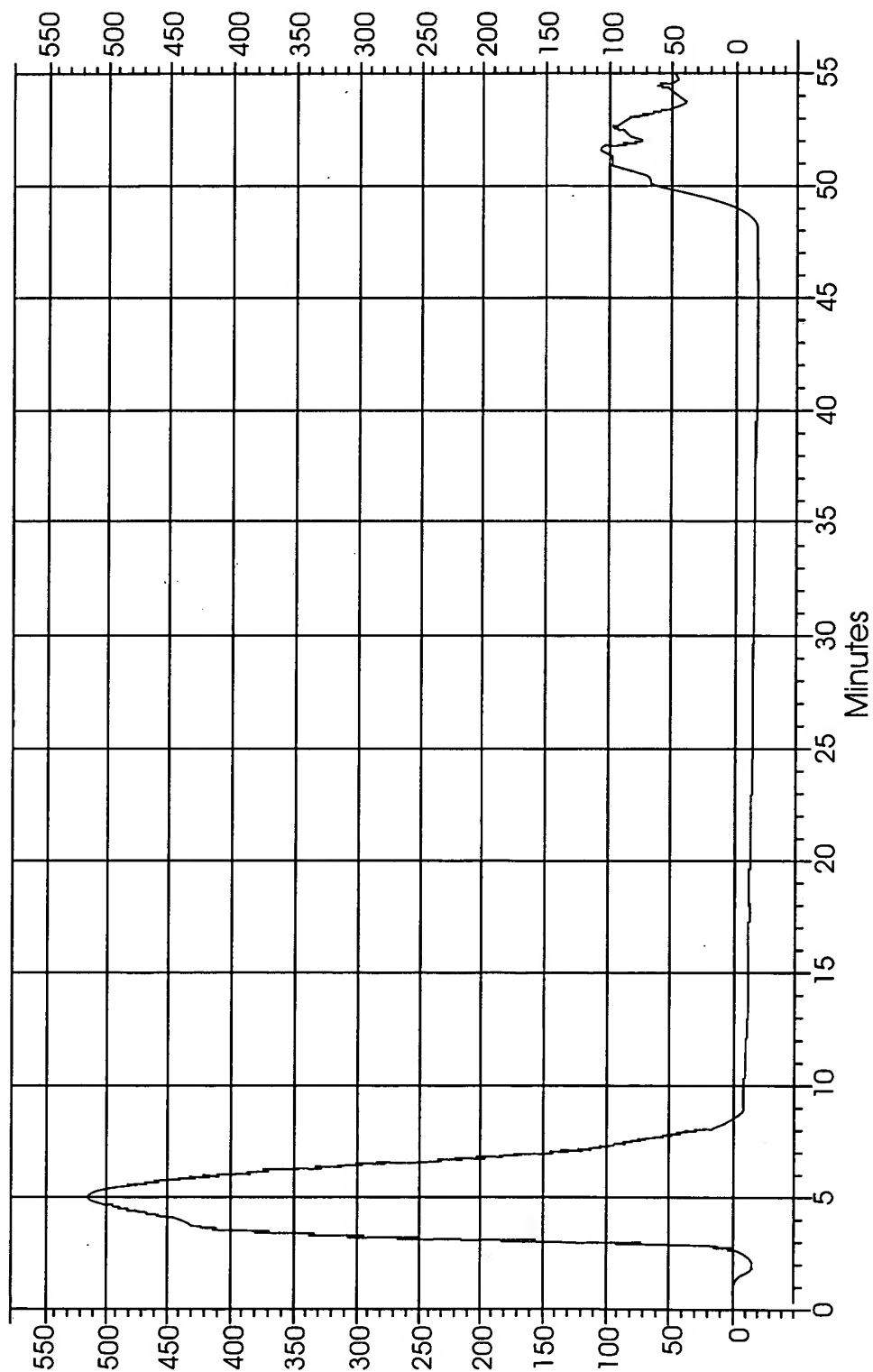


FIG. 27



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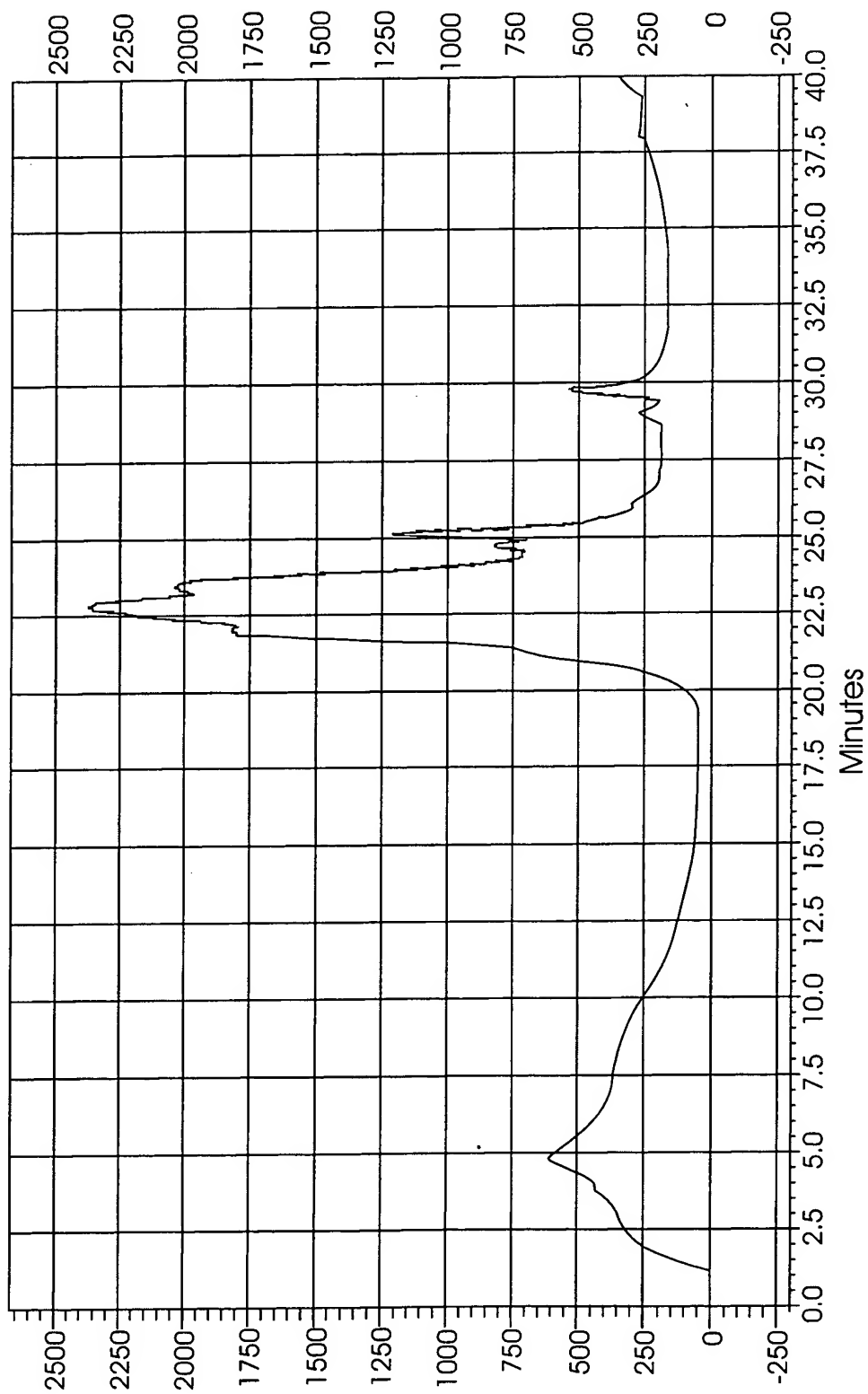


FIG. 26

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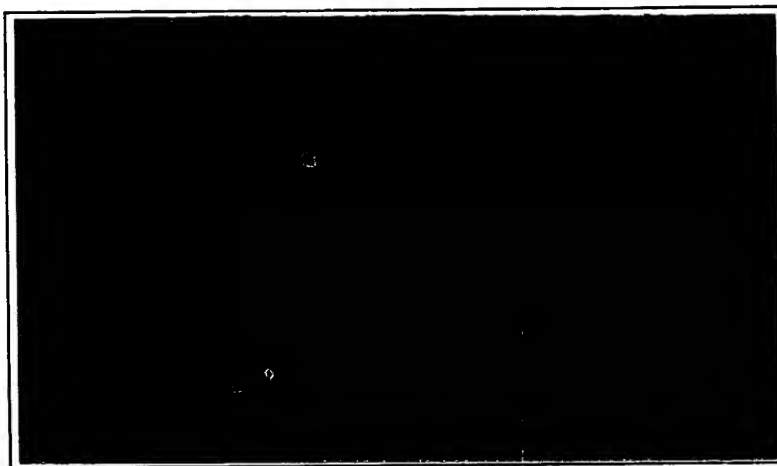


Fig. 24

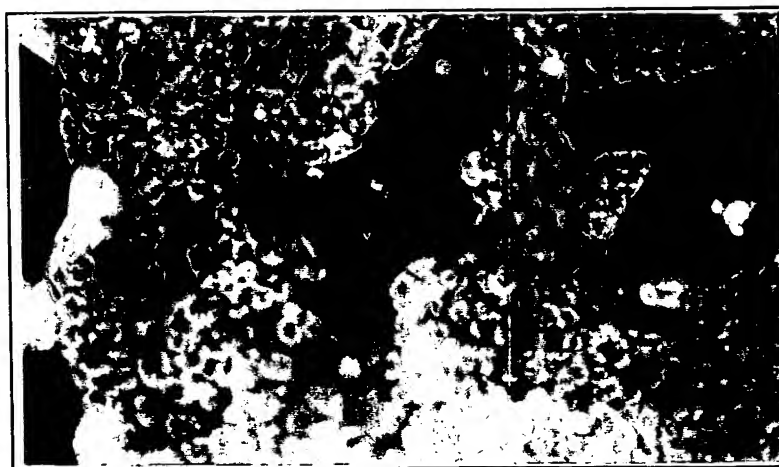


Fig. 25

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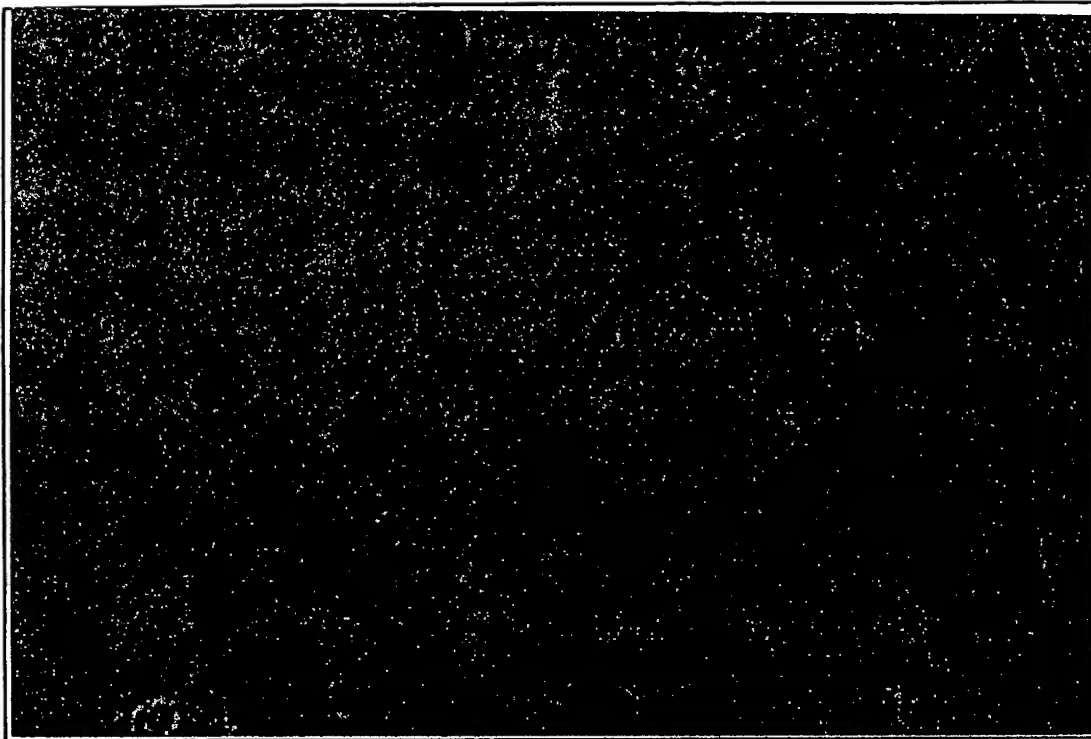


Fig. 22

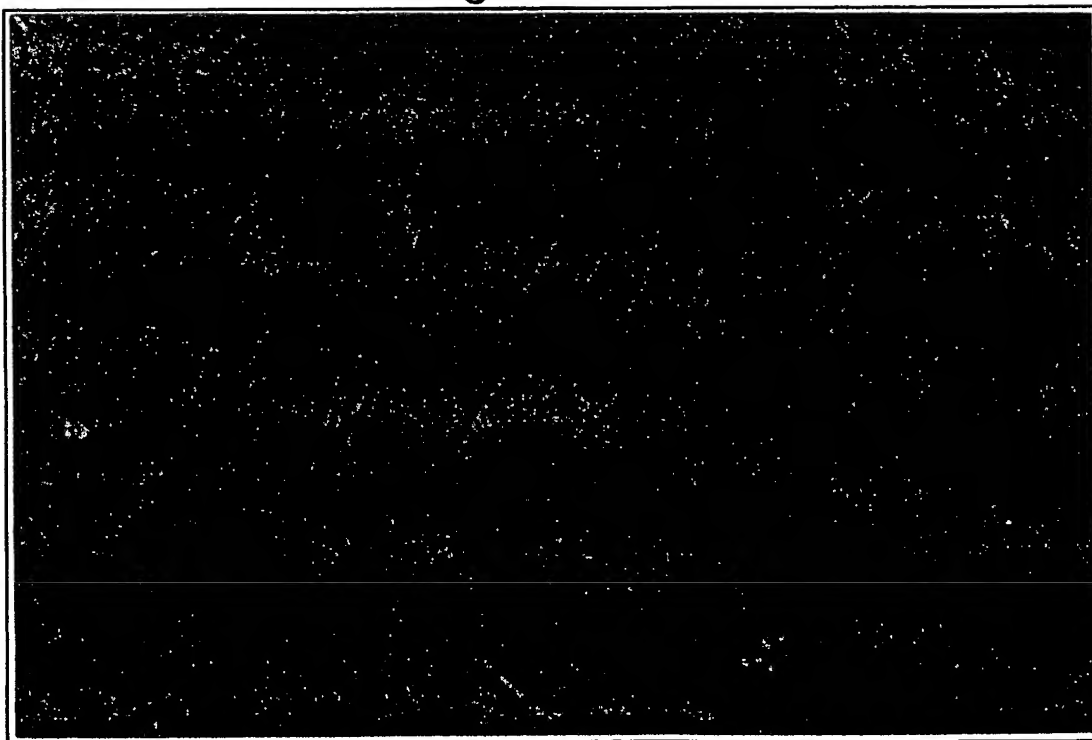


Fig. 23

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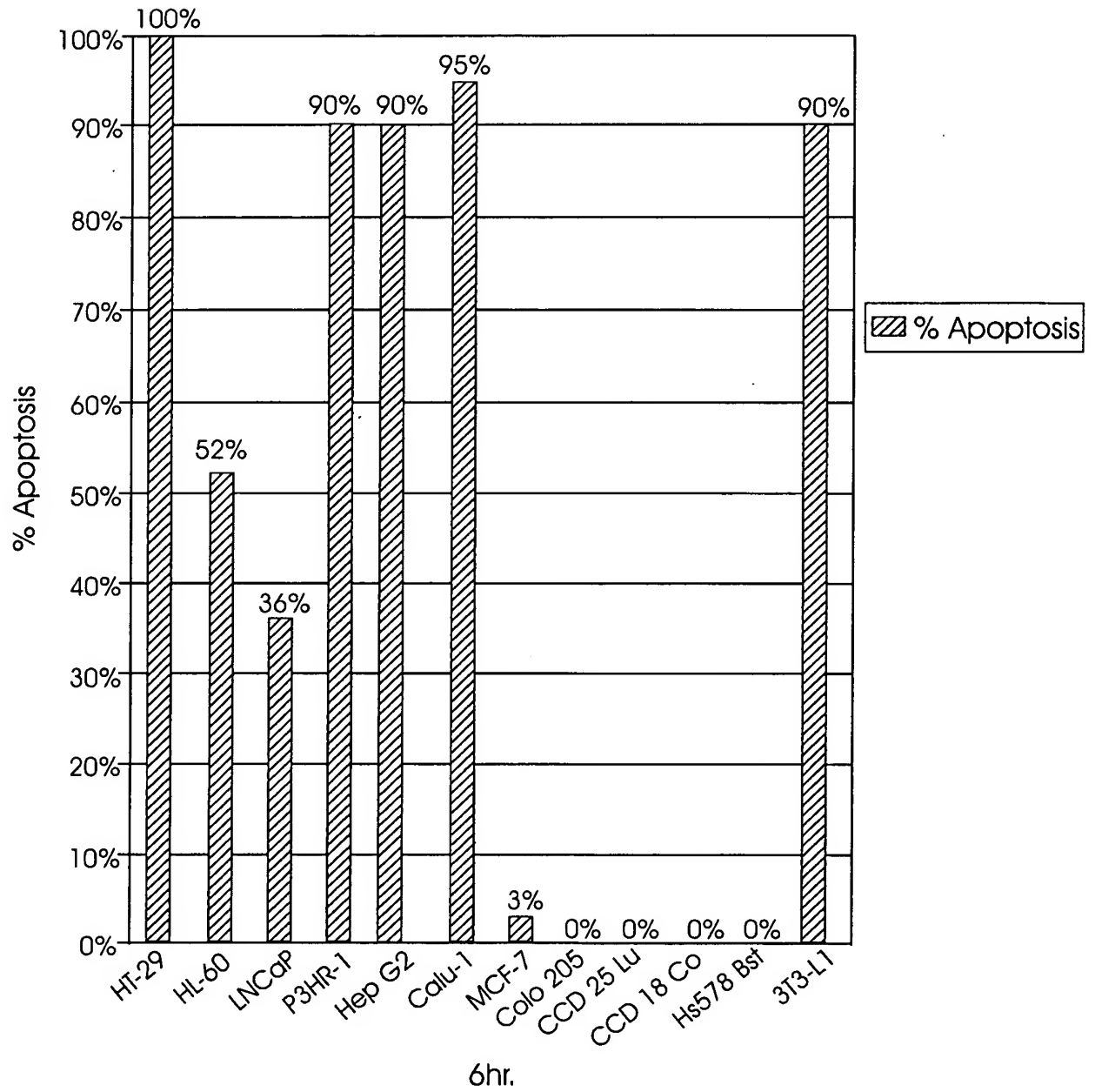


Fig. 21

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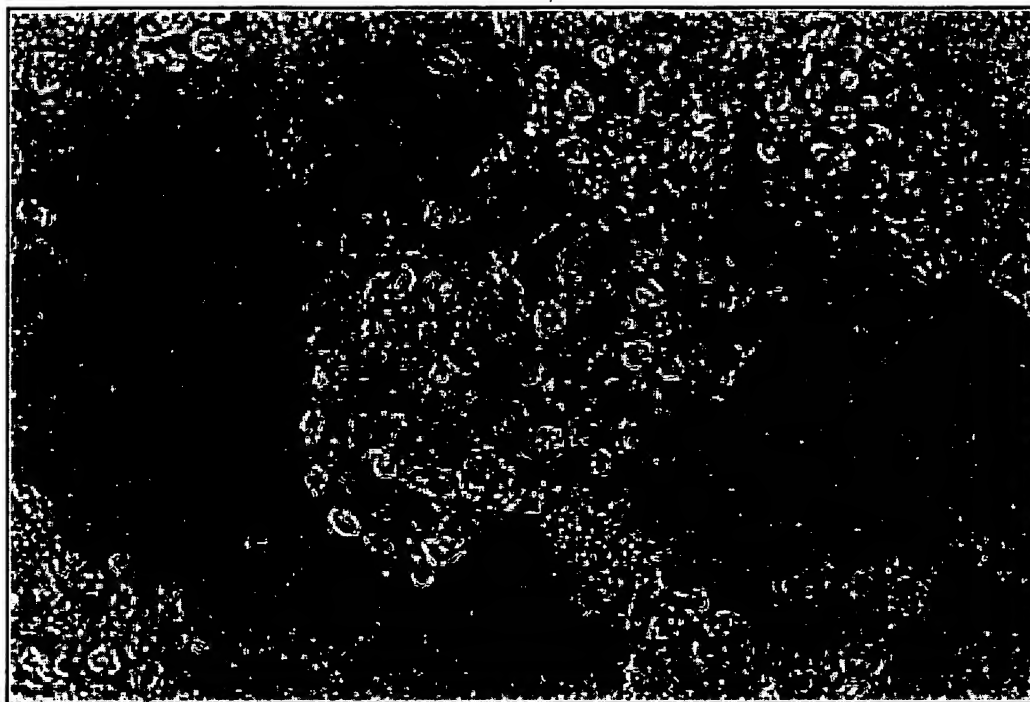


Fig. 19



Fig. 20

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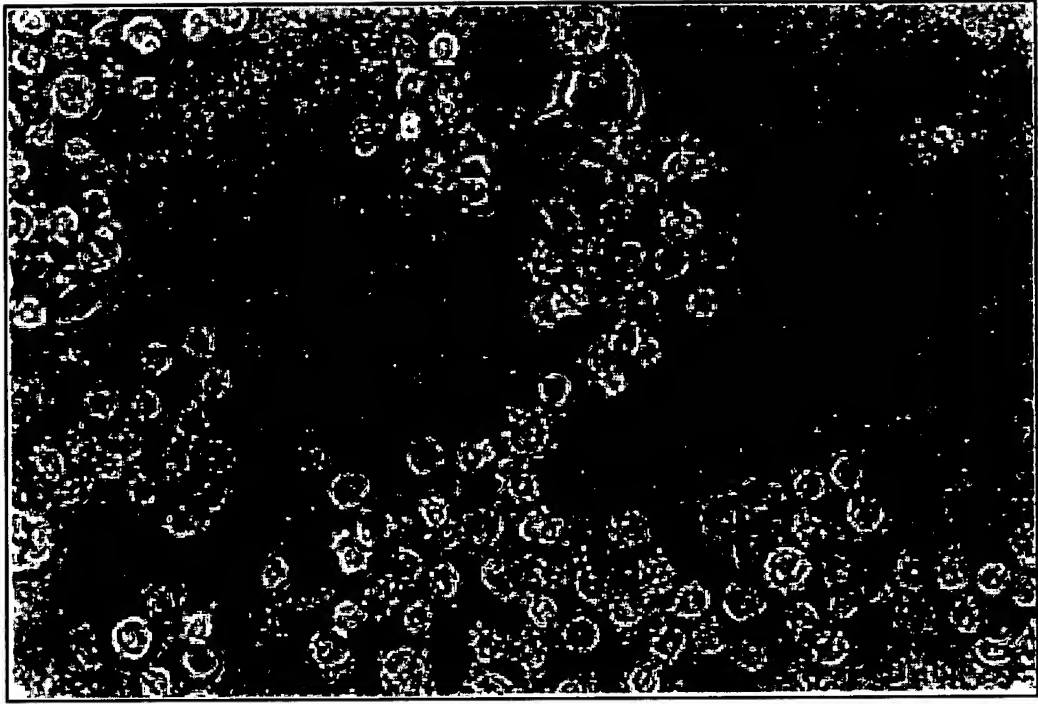


Fig. 17



Fig. 18

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Fig. 15

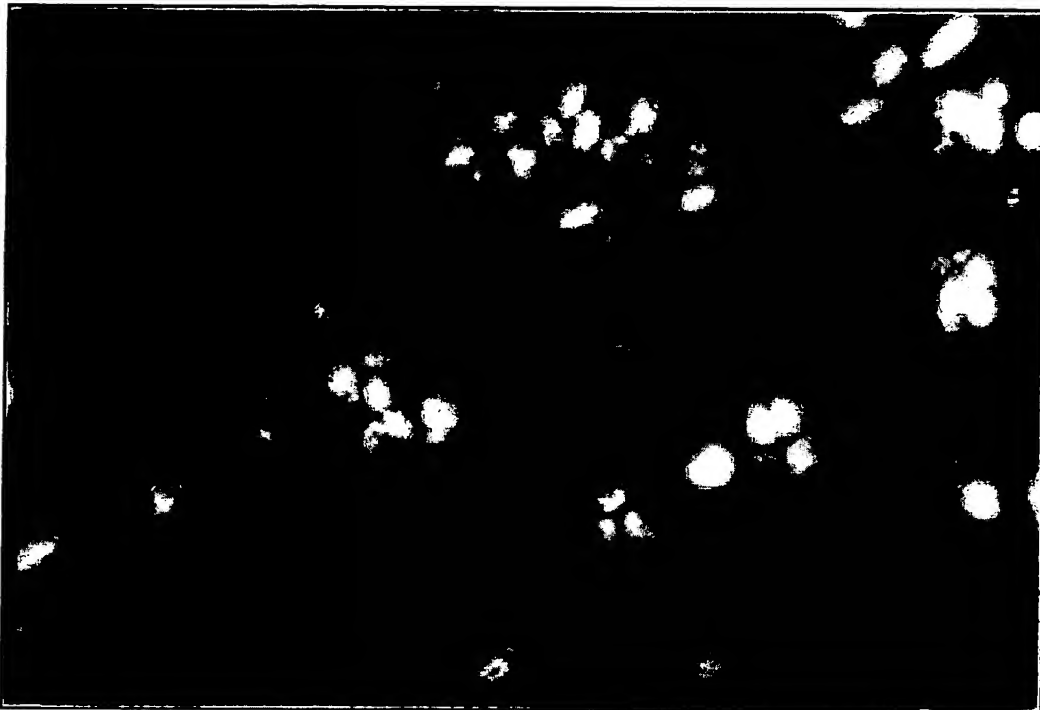
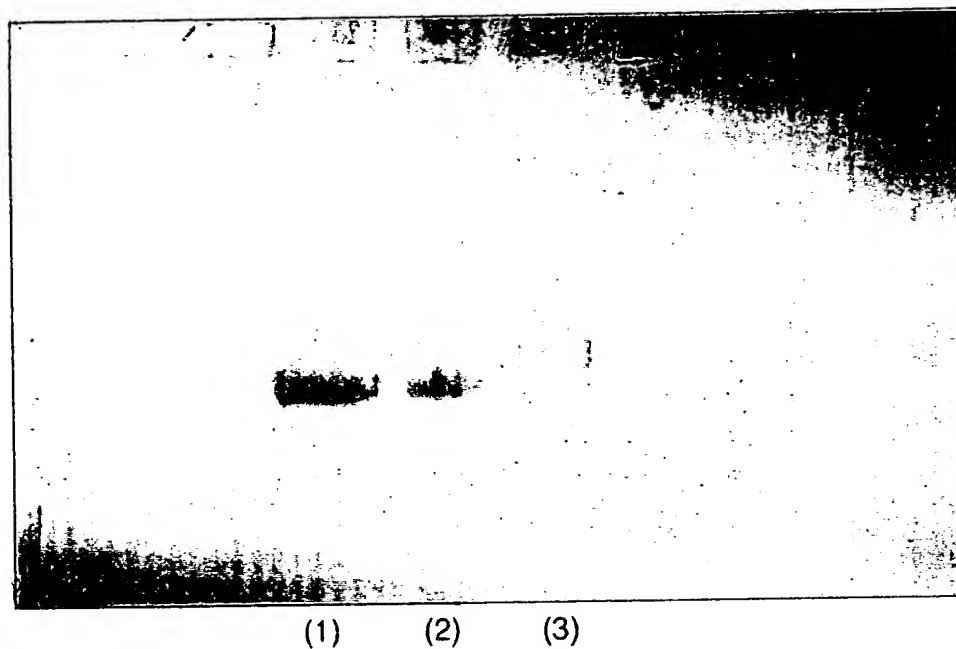


Fig. 16

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(1) Alpha 1 acid- glycoprotein (Sigma)

(2) Sample

(3) Alpha 2 HS-glycoprotein (Sigma)

Fig. 14



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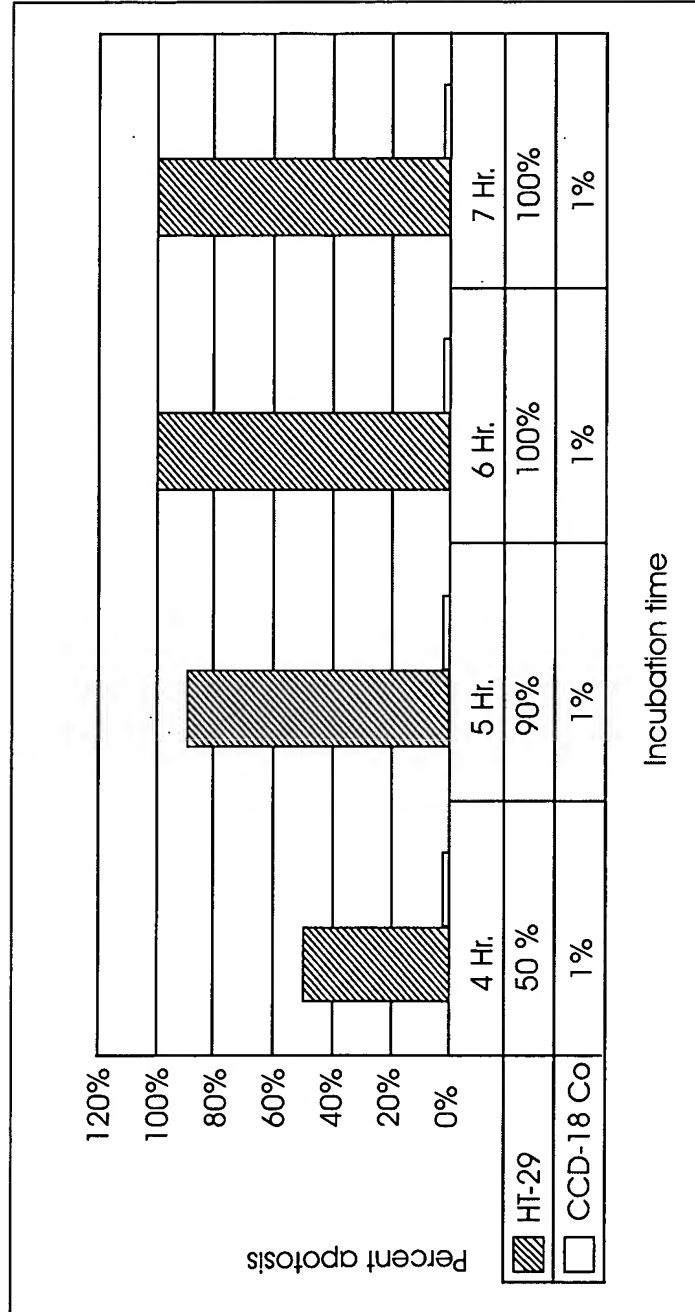


Fig. 12

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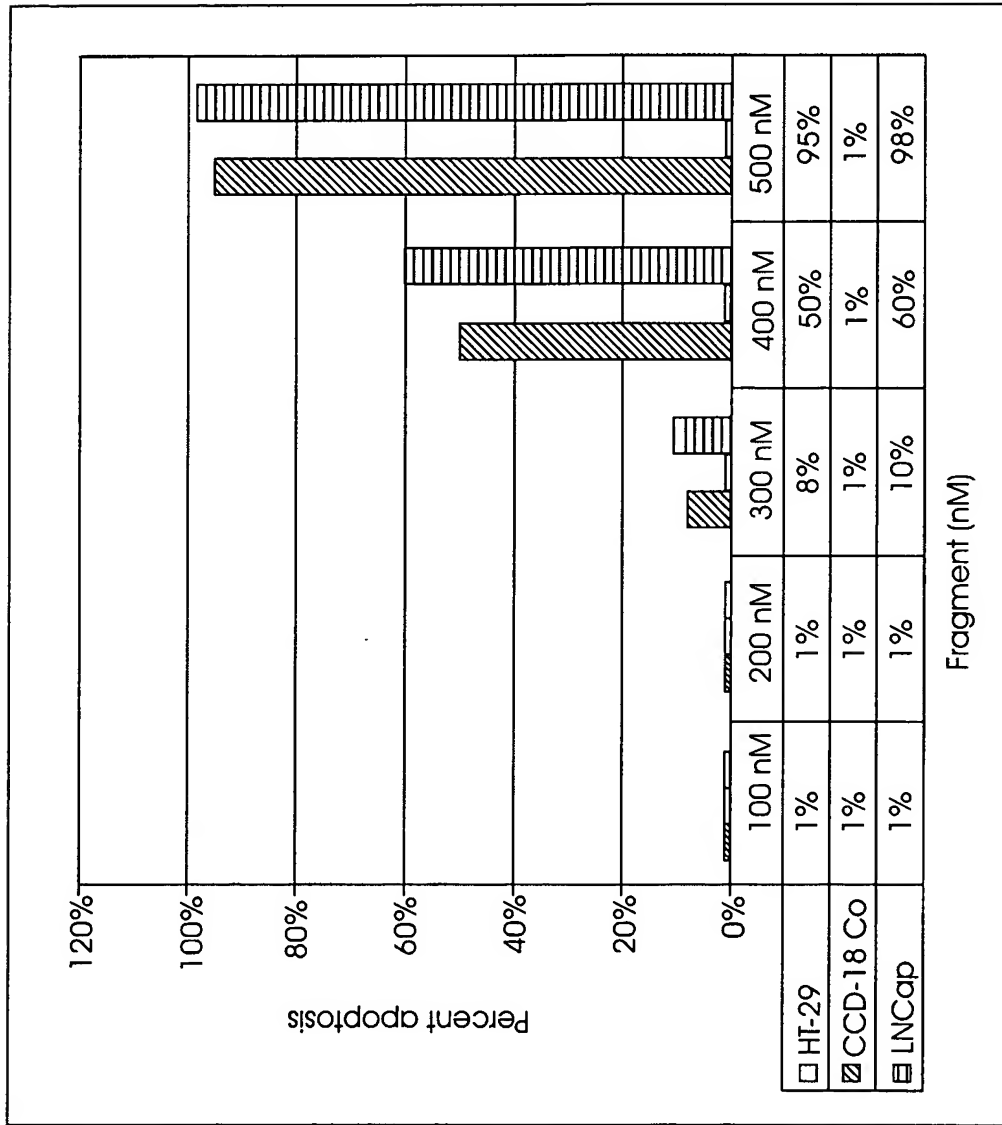


Fig. 11

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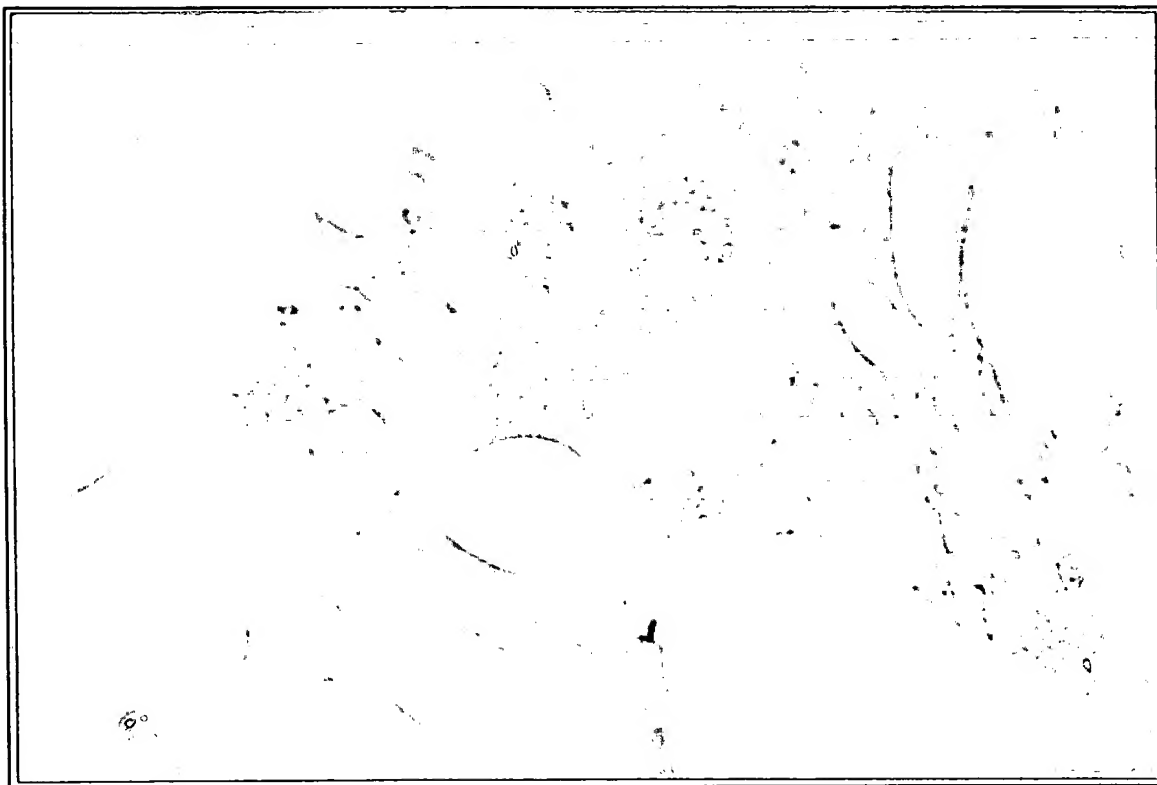


Fig. 9

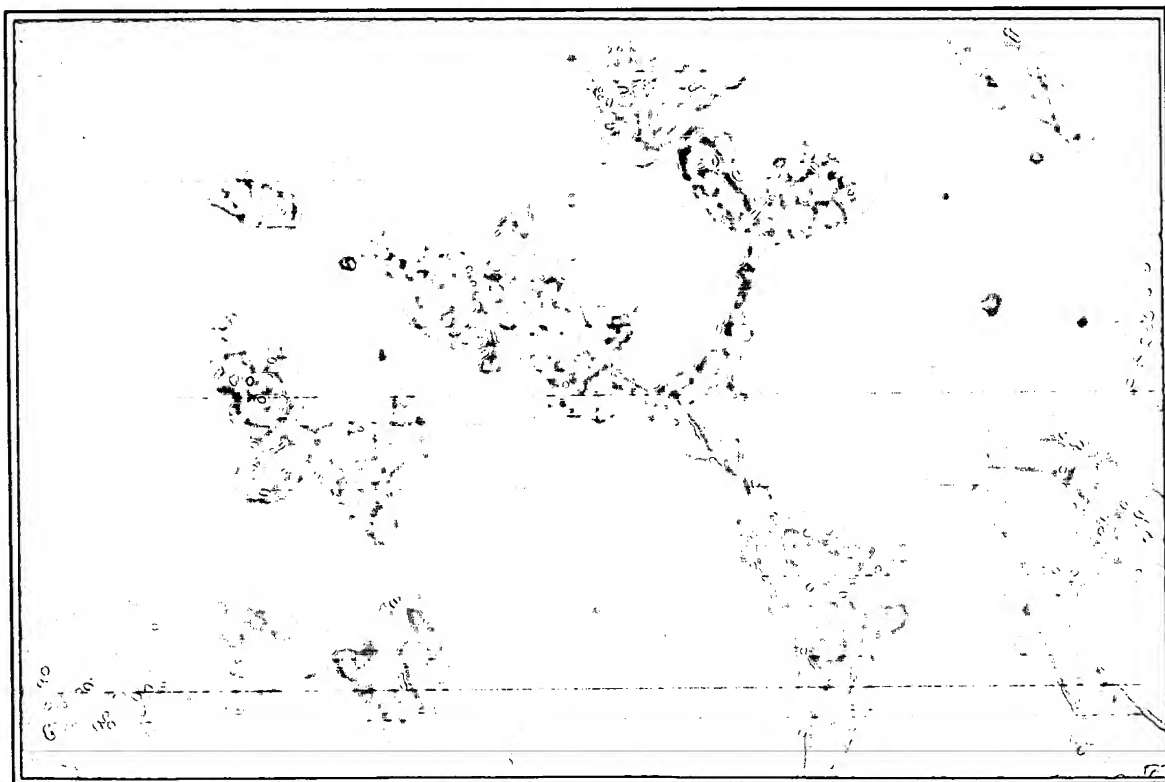


Fig. 10

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<u>Experiment</u>	<u>Sample</u>	<u>Apoptosis (%)</u>
1	Filtrate (10 $\mu$ l)	92%
	Filtrate (10 $\mu$ l) + proteinase K	50%
2	Filtrate (5 $\mu$ l)	35%
	Filtrate (5 $\mu$ l) + proteinase K	0%
3	Filtrate (10 $\mu$ l)	75%
	Filtrate (10 $\mu$ l) + proteinase K	0%

FIG. 8

<u>Fetuin</u>	<u>LD<sub>50</sub></u>
Zinc Charged Fetuin (full length)	LD <sub>50</sub> = 3-10 $\mu$ M
Fetuin Fragment (amino acid no. 300-309)	LD <sub>50</sub> = 0.3-0.4 $\mu$ M
Fetuin Fragment (amino acid no. 300-307)	LD <sub>50</sub> >> 1 mM
Fetuin Fragment (amino acid no. 310-317)	LD <sub>50</sub> >> 1 mM

FIG. 13

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Fig. 6

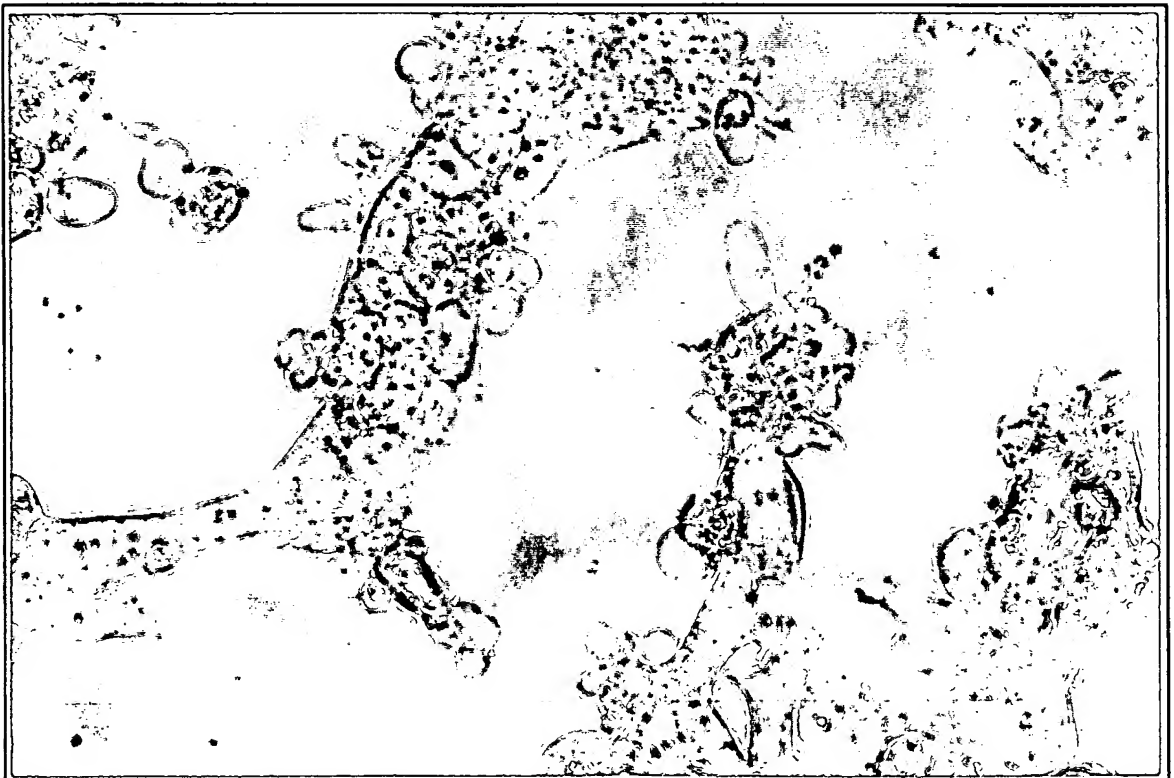


Fig. 7

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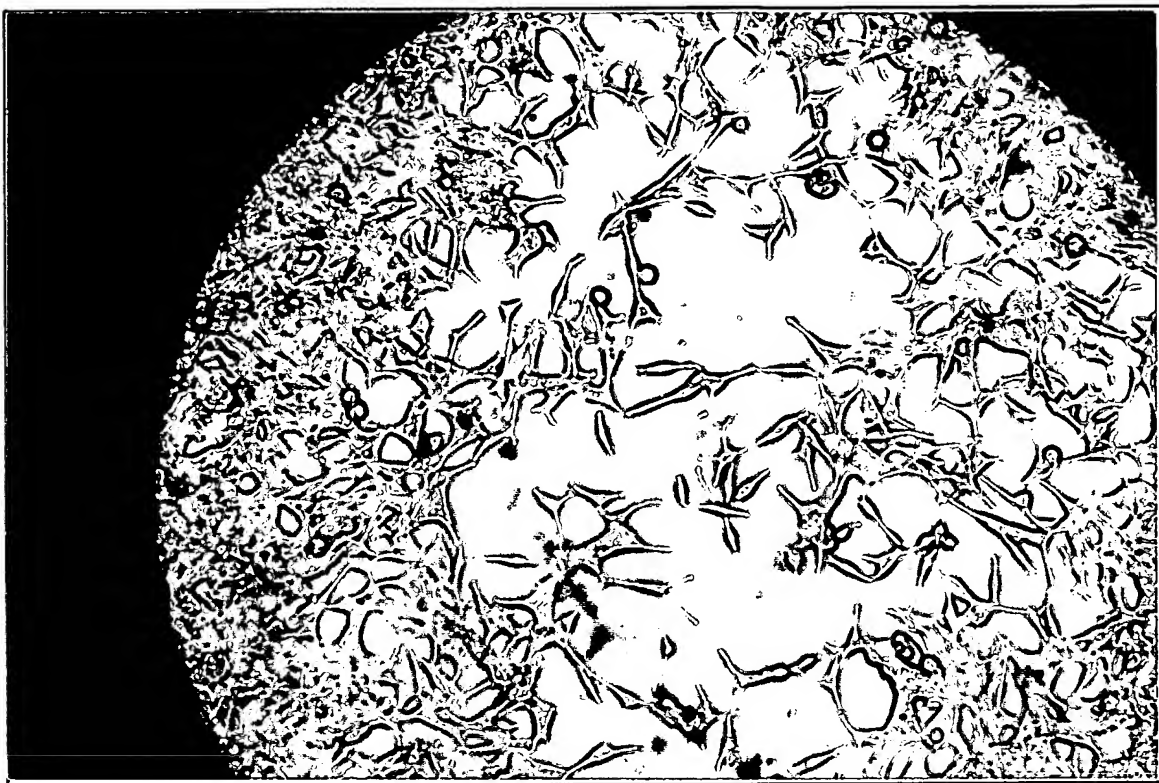


Fig. 4

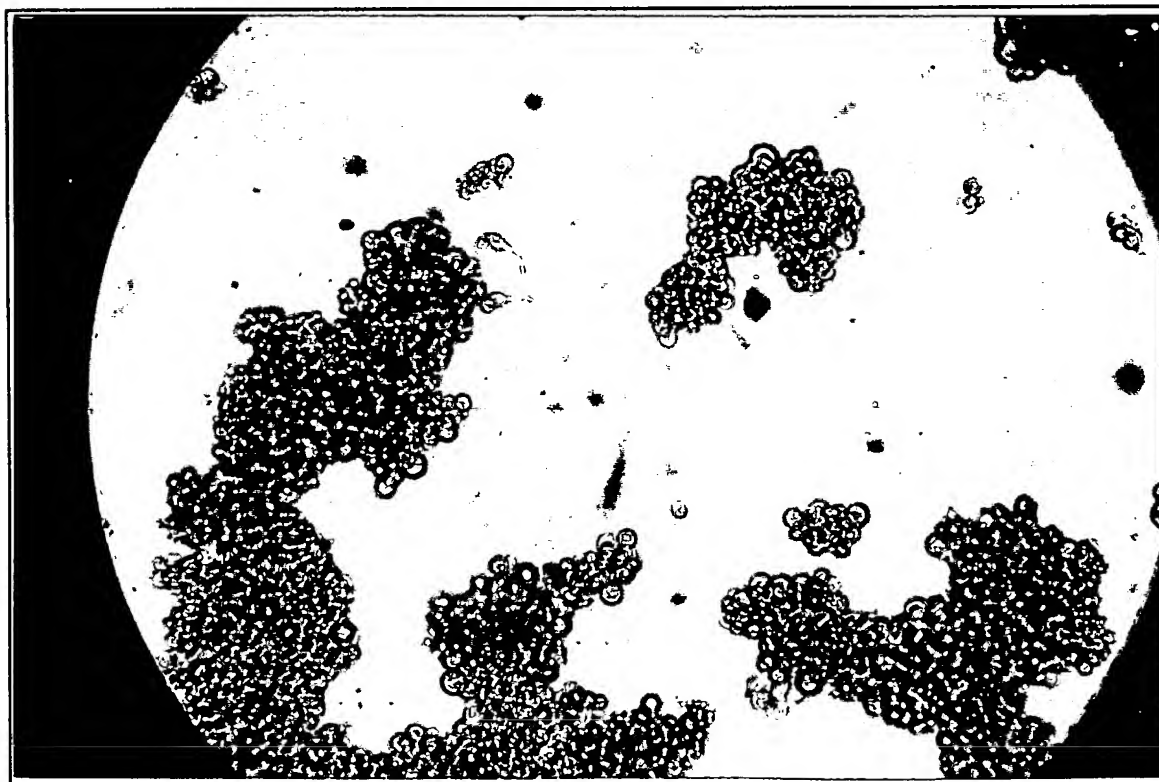


Fig. 5

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